

## **MDS 3.0 Care Area Assessment Trigger Test Data Documentation (v1.04.0)**

12/11/2018

With the v1.04.0 Care Area Trigger (CAT) package, test data are provided for all 20 Care Areas updated for changes to the MDS 3.0 Item Set to be implemented in October 2019. The current package contains a series of 20 test files that were fabricated to allow thorough testing of Care Area Trigger (CAT) computer code for Care Areas 01 through 20. These test files have a “txt” extension and are in ASCII text format in the MDS 3.0 standard Fixed Format File Layout provided in the MDS 3.0 data specifications for October 2019. The file name for a test data file indicates the CAT being tested. For CAT 01, the test data file is named “CAT01\_test\_v2.txt”; for CAT 02, the test data file is named “CAT02\_test\_v3.txt”; “CAT03\_test\_v1.txt”; etc.

In the test file for a specific CAT, most MDS 3.0 items have been left blank. Only the MDS items needed for Care Area triggering and the correct Care Area trigger indicator have been populated in each record. For example for Care Area 01 (Delirium), the test data file has populated values for MDS items included in the triggering logic (C1310A-C1310D) and the correct triggering indicator (V0200A01A). For Care Area 03 (Visual Function), the test data file has populated values for MDS items included in the triggering logic (B1000 and I6500) and the correct triggering indicator (V0200A03A).

The specific MDS items used to trigger each Care Area can be found in three places:

- First, a list of the triggering items for a Care Area are provided in an “Items Used” table in the description for each CAT in the specifications document (“MDS 3\_0 CAT Specifications 1\_04\_0 (12-11-2018).pdf”).
- Second, Table 2 at the end of this document provides a consolidated list of all MDS 3.0 items used for CAT triggering with the CAT(s) for each item indicated. This table also indicates the start and end bytes in the MDS 3.0 standard Fixed Format File Layout for each item.
- Third, Table 2 below has been converted to a comma delimited file with a “csv” extension for easier use by programmers. This file is named “MDS 3.0 Items in the CAT Test Data Files 1\_04\_0.csv”.

Table 1 below gives a list of the test data files with the number of records in each.

Table 2 provides a consolidated list of all MDS 3.0 items used for CAT triggering. This table gives the item label, description, length, valid values, Care Assessment Areas using the item for triggering, and the start and end bytes in the MDS 3.0 standard Fixed Format File Layout for October 2019.

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**Table 1. List of CAT Test Data Files**

<b>CAT #</b>	<b>CAT Test File</b>	<b>#records</b>
CAT 01	CAT01_test_v2.txt	193
CAT 02	CAT02_test_v3.txt	124
CAT 03	CAT03_test_v1.txt	11
CAT 04	CAT04_test_v1.txt	19
CAT 05	CAT05_test_v1.txt	309
CAT 06	CAT06_test_v2.txt	23
CAT 07	CAT07_test_v1.txt	162
CAT 08	CAT08_test_v1.txt	250
CAT 09	CAT09_test_v1.txt	23
CAT 10	CAT10_test_v1.txt	126
CAT 11	CAT11_test_v2.txt	132
CAT 12	CAT12_test_v3.txt	75
CAT 13	CAT13_test_v2.txt	6
CAT 14	CAT14_test_v2.txt	36
CAT 15	CAT15_test_v1.txt	20
CAT 16	CAT16_test_v2.txt	106
CAT 17	CAT17_test_v2.txt	37
CAT 18	CAT18_test_v1.txt	33
CAT 19	CAT19_test_v1.txt	635
CAT 20	CAT20_test_v2.txt	5

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**Table 2. MDS 3.0 Items Used in the CAT Test Data Files**

<b>Item</b>	<b>Description</b>	<b>Length</b>	<b>Values</b>	<b>CAAs</b>	<b>Fixed Rec Start Byte</b>	<b>Fixed Rec End Byte</b>
A0310A	Federal OBRA reason for assessment	2	01-06,99	08,11	270	271
B0200	Hearing	1	0-3,-,^	04	512	512
B0700	Makes self understood	1	0-3,-,^	04	515	515
B0800	Ability to understand others	1	0-3,-,^	04	516	516
B1000	Vision	1	0-4,-,^	03	517	517
C0500	BIMS res interview: summary score	2	00-15, 99,-,^	02,05	527	528
C0700	Staff assessment mental status: short-term memory OK	1	0,1,-,^	02	530	530
C0800	Staff assessment mental status: long- term memory OK	1	0,1,-,^	02	531	531
C1000	Cognitive skills for daily decision making	1	0-3,-,^	02,05	537	537
C1310A	Acute Onset Mental Status Change	1	0,1,-,^	01	1494	1494
C1310B	Signs of delirium: Inattention	1	0-2,-,^	01,02	1495	1495
C1310C	Signs of delirium: Disorganized Thinking	1	0-2,-,^	01,02	1496	1496
C1310D	Signs of delirium: Altered Level of Consciousness	1	0-2,-,^	01,02	1497	1497
D0200A1	PHQ resident mood interview: little interest or pleasure in doing things - presence	1	0,1,9,-,^	07,10	544	544
D0200I1	PHQ resident mood interview: thoughts better off dead - presence	1	0,1,9,-,^	08	560	560
D0300	PHQ resident mood interview: total mood severity score	2	00-27,99,-,^	08	562	563
D0500A1	PHQ staff assessment of resident mood: little interest or pleasure in doing things - presence	1	0,1,-,^	07,10	565	565
D0500I1	PHQ staff assessment: thoughts better off dead - presence	1	0,1,-,^	08	581	581
D0600	PHQ staff assessment: total mood score	2	00-30,-,^	08	585	586
E0200A	Physical behavioral symptoms directed toward others	1	0,1,2,3,-,^	02,07	591	591
E0200B	Verbal behavioral symptoms directed toward others	1	0,1,2,3,-,^	02,07	592	592
E0200C	Other behavioral symptoms not directed toward others	1	0,1,2,3,-,^	02	593	593
E0300	Overall presence of behavioral symptoms	1	0,1,-,^	09	594	594
E0800	Rejection of care: presence and frequency	1	0-3,-,^	02,09	601	601
E0900	Wandering: presence and frequency	1	0-3,-,^	02,09,11	602	602
E1100	Change in behavioral or other symptoms	1	0-3,-,^	09	605	605
F0500A	Resident interview: how important is it to you to have books, newspaper, magazines to read	1	1-5,9,-,^	07,10	615	615
F0500B	Resident interview: how important is it to you to listen to music	1	1-5,9,-,^	07,10	616	616

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Item	Description	Length	Values	CAAs	Fixed Rec Start Byte	Fixed Rec End Byte
F0500C	Resident interview: how important is it to you to be around animals/pets	1	1-5,9,-,^	07,10	617	617
F0500D	Resident interview: how important is it to you to keep up with news	1	1-5,9,-,^	07,10	618	618
F0500E	Resident interview: how important is it to you to do things with groups of people	1	1-5,9,-,^	07,10	619	619
F0500F	Resident interview: how important is it to you to do your favorite activities	1	1-5,9,-,^	07,10	620	620
F0500G	Resident interview: how important is it to you to go outside in good weather	1	1-5,9,-,^	07,10	621	621
F0500H	Resident interview: how important is it to you to participate in religious practices	1	1-5,9,-,^	07,10	622	622
F0600	Primary respondent: daily/activities preferences	1	1,2,9,-,^	07	623	623
F0800L	Staff assessment: reading books, newspapers, magazines	1	0,1,-,^	10	636	636
F0800M	Staff assessment: listening to music	1	0,1,-,^	10	637	637
F0800N	Staff assessment: being around animals/pets	1	0,1,-,^	10	638	638
F0800O	Staff assessment: keeping up with news	1	0,1,-,^	10	639	639
F0800P	Staff assessment: doing things with groups	1	0,1,-,^	10	640	640
F0800Q	Staff assessment: participating in favorite activities	1	0,1,-,^	07,10	641	641
F0800R	Staff assessment: spend time away from nursing home	1	0,1,-,^	10	642	642
F0800S	Staff assessment: spend time outdoors	1	0,1,-,^	10	643	643
F0800T	Staff assessment: participate religious activities	1	0,1,-,^	10	644	644
G0110A1	ADL: bed mobility : self-performance	1	0-4,7,8,-	05,16	646	646
G0110B1	ADL: transfer: self-performance	1	0-4,7,8,-	05	648	648
G0110C1	ADL: walk in room: self-performance	1	0-4,7,8,-	05	650	650
G0110D1	ADL: walk in corridor: self-performance	1	0-4,7,8,-	05	652	652
G0110E1	ADL: locomotion on unit: self-performance	1	0-4,7,8,-	05	654	654
G0110F1	ADL: locomotion off unit: self-performance	1	0-4,7,8,-	05	656	656
G0110G1	ADL: dressing: self-performance	1	0-4,7,8,-	05	658	658
G0110H1	ADL: eating: self-performance	1	0-4,7,8,-	05	660	660
G0110I1	ADL: toilet: self-performance	1	0-4,7,8,-	05,06	662	662
G0110J1	ADL: personal hygiene: self-performance	1	0-4,7,8,-	05	664	664
G0120A	ADL: bathing: self-performance	1	0-4,8,-	05	666	666
G0300A	Balance: moving from seated to standing position	1	0-2,8,-	05,11	668	668
G0300B	Balance: walking (with assistive device if used)	1	0-2,8,-	05,11	669	669
G0300C	Balance: turning around while walking	1	0-2,8,-	05,11	670	670
G0300D	Balance: moving on and off toilet	1	0-2,8,-	05,11	671	671

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Item	Description	Length	Values	CAAs	Fixed Rec Start Byte	Fixed Rec End Byte
G0300E	Balance: surface-to-surface transfer	1	0-2,8,-	05,11	672	672
G0900A	Resident believes capable of increased independence	1	0,1,9,-,^	05	680	680
G0900B	Staff believes res capable of increased independence	1	0,1,-,^	05	681	681
H0100A	Appliances: indwelling bladder catheter	1	0,1,-	06	682	682
H0100B	Appliances: external (condom) catheter	1	0,1,-	06	683	683
H0100D	Appliances: intermittent catheterization	1	0,1,-	06	685	685
H0300	Urinary continence	1	0-3,9,-	06,16	690	690
H0400	Bowel continence	1	0-3,9,-	16	691	691
H0600	Constipation	1	0,1,-	14	693	693
I1700	Multidrug-Resistant Organism (MDRO)	1	0,1,-	14	710	710
I2000	Pneumonia	1	0,1,-	14	711	711
I2100	Septicemia	1	0,1,-	14	712	712
I2200	Tuberculosis	1	0,1,-	14	713	713
I2300	Urinary tract infection (UTI) (LAST 30 DAYS)	1	0,1,-	14	714	714
I2400	Viral hepatitis (includes type A, B, C, D, and E)	1	0,1,-	14	715	715
I2500	Wound infection (other than foot)	1	0,1,-	14	716	716
I4200	Alzheimer's disease	1	0,1,-	07	726	726
I4800	Non-Alzheimer's dementia	1	0,1,-	07	730	730
I6500	Cataracts, glaucoma, or macular degeneration	1	0, 1, -	03	749	749
J0400	Resident pain interview: frequency	1	1-4,9,-,^	19	836	836
J0500A	Resident pain interview: made it hard to sleep	1	0,1,9,-,^	19	837	837
J0500B	Resident pain interview: limited daily activities	1	0,1,9,-,^	19	838	838
J0600A	Resident pain interview: pain numeric intensity rating scale	2	00-10,99,-,^	19	839	840
J0600B	Resident pain interview: pain verbal descriptor scale	1	1-4,9,-,^	19	841	841
J0800A	Staff pain assessment: non-verbal sounds	1	0,1,-,^	19	843	843
J0800B	Staff pain assessment: vocal complaints of pain	1	0,1,-,^	19	844	844
J0800C	Staff pain assessment: facial expressions	1	0,1,-,^	19	845	845
J0800D	Staff pain assessment: protective movements/postures	1	0,1,-,^	19	846	846
J1550A	Problem conditions: fever	1	0,1,-	14	855	855
J1550B	Problem conditions: vomiting	1	0,1,-	14	856	856
J1550C	Problem conditions: dehydrated	1	0,1,-	12,14	857	857
J1550D	Problem conditions: internal bleeding	1	0,1,-	14	858	858
J1700A	Fall history: fall during month before entry	1	0,1,9,-,^	11	860	860
J1700B	Fall history: fall 2 to 6 months before entry	1	0,1,9,-,^	11	861	861
J1800	Falls since admit/prior assessment: any falls	1	0,1,-	11	863	863
K0200A	Height	2	00-99,-	12	872	873
K0200B	Weight	3	000-999,-	12	874	876

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Item	Description	Length	Values	CAAs	Fixed Rec Start Byte	Fixed Rec End Byte
K0300	Weight loss	1	0-2,-	12,16	877	877
K0310	Weight gain	1	0-2,-	12	1443	1443
K0510A1	Nutritional approaches: parenteral /IV feeding—While NOT resident	1	0,1,-,^	12,14	1444	1444
K0510A2	Nutritional approaches: parenteral /IV feeding—While resident	1	0,1,-	12,14	1445	1445
K0510B1	Nutritional approaches: feeding tube—While NOT resident	1	0,1,-,^	13,14	1446	1446
K0510B2	Nutritional approaches: feeding tube—While resident	1	0,1,-	13,14	1447	1447
K0510C2	Nutritional approaches: mechanically altered diet—While resident	1	0,1,-	12	1449	1449
K0510D2	Nutritional approaches: therapeutic diet—While resident	1	0,1,-	12	1451	1451
L0200A	Dental: broken or loosely fitting denture	1	0,1,-	15	885	885
L0200B	Dental: no natural teeth or tooth fragment(s)	1	0,1,-	15	886	886
L0200C	Dental: abnormal mouth tissue	1	0,1,-	15	887	887
L0200D	Dental: cavity or broken natural teeth	1	0,1,-	15	888	888
L0200E	Dental: inflamed/bleeding gums or loose teeth	1	0,1,-	15	889	889
L0200F	Dental: pain, discomfort, difficulty chewing	1	0,1,-	15	890	890
M0150	Is this resident at risk of developing pressure ulcers/injuries	1	0,1,-	16	897	897
M0300A	Number of Stage 1 pressure injuries	1	0-9,-,^	16	899	899
M0300B1	Number of Stage 2 pressure ulcers	1	0-9,-,^	12,16	900	900
M0300C1	Number of Stage 3 pressure ulcers	1	0-9,-,^	12,16	910	910
M0300D1	Number of Stage 4 pressure ulcers	1	0-9,-,^	12,16	912	912
M0300E1	Number of unstageable pressure ulcers/injuries due to non-removable dressing/device	1	0-9,-,^	12,16	914	914
M0300F1	Number of pressure ulcers unstaged due to slough/eschar	1	0-9,-,^	12,16	916	916
M0300G1	Number of unstageable pressure injuries presenting as deep tissue injury	1	0-9,-,^	12,16	918	918
M1040A	Infection of the foot	1	0,1,-	14	941	941
M1040H	Moisture Associated Skin Damage (MASD)	1	0,1,-	06	1455	1455
N0410A	Medications: antipsychotic # days	1	0-7,-	17	1456	1456
N0410B	Medications: antianxiety # days	1	0-7,-	11,17	1457	1457
N0410C	Medications: antidepressant # days	1	0-7,-	11,17	1458	1458
N0410D	Medications: hypnotic # days	1	0-7,-	17	1459	1459
P0100A	Restraints used in bed: bed rail (any type)	1	0-2,-	18	1124	1124
P0100B	Restraints used in bed: trunk restraint	1	0-2,-	11,16,18	1125	1125
P0100C	Restraints used in bed: limb restraint	1	0-2,-	18	1126	1126
P0100D	Restraints used in bed: other	1	0-2,-	18	1127	1127

## MDS 3.0 Care Area Assessment Trigger Test Data Documentation (v1.04.0)

Item	Description	Length	Values	CAAs	Fixed Rec Start Byte	Fixed Rec End Byte
P0100E	Restraints in chair/out of bed: trunk restraint	1	0-2,-	11,16,18	1128	1128
P0100F	Restraints in chair/out of bed: limb restraint	1	0-2,-	18	1129	1129
P0100G	Restraints in chair/out of bed: chair stops rising	1	0-2,-	18	1130	1130
P0100H	Restraints in chair/out of bed: other	1	0-2,-	18	1131	1131
Q0600	Referral been made to Local Contact Agency	1	0-2,-,^	20	1141	1141
V0100E	PHQ resident mood interview: total mood severity score (prior assessment)	2	00-27,99,-,^	08	1156	1157
V0100F	PHQ staff assessment: total mood score (prior assessment)	2	00-30,-,^	08	1158	1159
V0200A01A	CAA-Delirium: triggered	1	0,1	01	1160	1160
V0200A02A	CAA-Cognitive loss/dementia: triggered	1	0,1	02	1162	1162
V0200A03A	CAA-Visual function: triggered	1	0,1	03	1164	1164
V0200A04A	CAA-Communication: triggered	1	0,1	04	1166	1166
V0200A05A	CAA-ADL functional/rehab potential: triggered	1	0,1	05	1168	1168
V0200A06A	CAA-Urinary incont/indwell catheter: triggered	1	0,1	06	1170	1170
V0200A07A	CAA-Psychosocial well-being: triggered	1	0,1	07	1172	1172
V0200A08A	CAA-Mood state: triggered	1	0,1	08	1174	1174
V0200A09A	CAA-Behavioral symptoms: triggered	1	0,1	09	1176	1176
V0200A10A	CAA-Activities: triggered	1	0,1	10	1178	1178
V0200A11A	CAA-Falls: triggered	1	0,1	11	1180	1180
V0200A12A	CAA-Nutritional status: triggered	1	0,1	12	1182	1182
V0200A13A	CAA-Feeding tubes: triggered	1	0,1	13	1184	1184
V0200A14A	CAA-Dehydration/fluid maintenance: triggered	1	0,1	14	1186	1186
V0200A15A	CAA-Dental care: triggered	1	0,1	15	1188	1188
V0200A16A	CAA-Pressure ulcer: triggered	1	0,1	16	1190	1190
V0200A17A	CAA-Psychotropic drug use: triggered	1	0,1	17	1192	1192
V0200A18A	CAA-Physical restraints: triggered	1	0,1	18	1194	1194
V0200A19A	CAA-Pain: triggered	1	0,1	19	1196	1196
V0200A20A	CAA-Return to community referral: triggered	1	0,1	20	1198	1198